

# SPECIFICATIONS

FOR

LABOR AND MATERIALS TO BE USED IN THE CONSTRUCTION OF THE

CENTRAL OPERA HOUSE

FAIRBURY, ----- ILLINOIS.

SET NO. D.



ROBERT A. BULLARD,  
ARCHITECT,

ROOM 7,

JACOBY BUILDING

BLOOMINGTON, ILL.



# OMITTED FROM THESE SPECIFICATIONS

Our friends, the architects, generally neglect to sepecify where to purchase, for the completion of this building, the common hardware, such as nails, sliding door hangers, foundation grates, ashpit doors, sash pulleys, cord and weights, and the finishing hardware, hinges, locks, knobs, window trimmings, pantry and sideboard trimmings. Also there will be needed hard-wood mantels and grates, tile floors for vestibules and bath room. Dumb waiters are also frequently required. Carrying the largest stock of these goods in central Illinois, and of the latest and most artistic patterns of finishing hardware, we are the people you should see. Better to have looked than to wish you had.

**HOLDER, MILNER & CO.,**  
BLOOMINGTON, ILLINOIS.

**R. M. CASS,**  
General Electrician

ESTIMATES ON ALL KINDS OF  
ELECTRICAL WORK.

Office, 518 North Main St.

New and Old Telephones, 285.

Bloomington, Ill.

**D. S. HAAG**

Stair Work, Parquet, **Cabinet Work**  
And all Kinds of  
Hard wood Floors.

Repairing, Etc.

Rates reasonable. Call for estimates. New 'phone 285.

518 N. MAIN ST.

BLOOMINGTON, ILL.

## Furniture and Carpets

We can furnish your new home complete in a most satisfactory manner, at a price that will surprise you

**HOWARD & KIRKPATRICK,**

522 and 524 North Main Street.

**R. C. BALKE,**

Mill Work of all Descriptions.

Interior Finish, Porch Work

Screen Doors and Windows.

ESTIMATES FURNISHED.

Office and Factory, 312 South Lee Street,

BLOOMINGTON, ILL.

Have this building Painted and Decorated by

**C. J. McElwain,**

House, Sign and Ornamental Painter

Dealer in

**PAINTS AND GLASS.**

Paper Hanging and Decorating a Specialty.

211 East Market St.

**GEO. C. RIPLEY,**

NEW TELEPHONE 99.

OLD TELEPHONE 88.

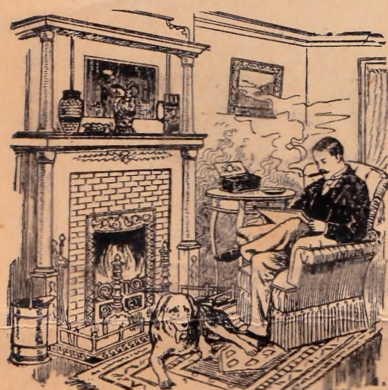
SUCCESSOR TO FUNK & SHORTHOSE.

DEALER IN

**Drugs, Medicines, Paints, Oils and Varnishes,**  
Window, Plate and Fancy Colored Glass, and Putty a Specialty.

Agent for Cleveland Varnish Co., PERMANERE FLOOR FINISH. Bloomington, Ill.

The Celebrated B. P. S. Paints.



**WE** HAVE THE FINEST STOCK OF MANTELS,  
**GIVE** GRATES AND TILES IN CENTRAL ILLINOIS TO  
YOU A SELECTION FROM, AND POP-  
PLE'S POPULAR FURNACE MADE  
AND GUARANTEED BY US.

**AWAY** AHEAD OF ANYTHING OFFERED  
BY OUR COMPETITORS. WE CAN  
SAVE YOU MONEY ON HARDWARE. SLATE AND TIN ROOF-  
ING.

417 N. MAIN STREET.

**M. L. POPPLE.**



## SPECIFICATIONS

For Labor And Materials To Be Used In The Erection And Completion  
Of The "CENTRAL OPERA HOUSE "

Fairbury, Illinois.

Prepared By:-

Robert A. Bullard, Architect,  
Bloomington, Illinois.



---

## GENERAL CONDITIONS.

LOCATION.- The building will be located on the property of the owners in the city of Fairbury, Illinois.

FIGURED AND SCALED DIMENSIONS.- The general and detail drawings are fully figured, and these dimensions must in all cases be taken in preference to dimensions obtained by measuring the drawings. If the dimensions are not figured, or in case of doubt the architect will be immediately consulted.

ERRORS IN DRAWINGS.- Any errors or discrepancy found in the drawings must at once be referred to the architect for correction or explanation, which correction shall then become binding upon the contractor.

OFFICE COPY.- A complete copy of these specifications and of all general and detail drawings will be kept permanently on file in the office of the architect, will not be taken therefrom in any case or on any pretext whatever, and is to be considered the original, to which all other copies must conform.

CHANGES IN DRAWINGS.- The contractor will make no changes in his copy of the drawings and specifications, but they will only be made by the architect, after said changes have been made by him in his office copy in such a manner as to show both the original and the changes made therein.

LOST DRAWINGS AND SPECIFICATIONS.- A complete copy of these specifications and the general and detail drawings will be supplied by the architect to the contractor. One copy of such drawings and specification as are required for the proper execution of his part of the work will also be furnished to each sub-contractor. Any additional copies that



that may may be required in replacing lost or damaged drawings or specifications will only be supplied to the contractor after his payment to the architect the actual cost of said additional copies, as certified by him.

RETURN OF DRAWINGS AND SPECIFICATIONS.- On completion of the building, and before the final payment is made to the contractor, or to each sub-contractor, the entire series of the drawings and specifications must be returned to the architect in good order, subject to ordinary usage and wear, they being the property of the architect.

GENERAL AND OTHER CONTRACTS.- The work of the building will be let in several separate contracts. These are designated, first (1) The general contract, which includes the whole work of the building, exclusive of such separate contracts as are herein mentioned; (2) The heating contract and ventilating contract; (3) The electric wiring contract and fixtures; (4) The plumbing and drainage contract; (5) The frescoing and decorating contract; (6) The seating contract; (7) The stage equipment including all stage traps etc.

MEANING OF THE WORD CONTRACTOR.- In any case where in the specifications " Contractor " is mentioned, it will be interpreted the general contractor, or each special contractor, according to the work mentioned in connection therewith. Under the head " General Conditions " The name " Contractor " refers to all contractors unless a particular contractor is designated.

SUPERVISION OF WORK AND MATERIALS.- The architect will exercise general supervision over all materials and work, and will reject any defective work or materials whenever discovered, and will order its immediate removal. No portion of either materials or work will be finally accepted until the final acceptance of the building.

RESPONSIBILITY OF CONTRACTORS.- The contractor will be held strictly and fully responsible for the building from the signing of the contract until the final acceptance of the building by the owners, and he will be required to make good all injuries sustained by the building during that time, arising from any cause whatever, except loss by fire, against which the owners will insure the building as the work progresses to cover their interests therein.

REMOVAL OF REJECTED WORK OR MATERIALS.- Any work or materials rejected by the architect shall be immediately removed, and shall be replaced by satisfactory work and materials. In case the contractor neglects to do this within three days after receiving notice to do so, the owners shall have the power to cause the same to be at the expense of the contractor and to deduct the cost thereof from the next payment due the contractor as well as from the balance due him on the final settlement .



**DUTIES OF THE CONTRACTOR.**- The general contractor will be held responsible for the accurate laying out of the building and its erection in accordance with these specifications and drawings. He must personally superintend every part of the work himself, or by competent foreman in his absence, and he must also see that all requirements of these specifications and drawings are fully and faithfully obeyed and complied with by all his sub-contractors, material men and workmen at all times. He will exercise due inspection of all materials as delivered, promptly returning defective materials without waiting for their rejection by the architect, and he will also promptly store and protect from injury the materials and work as delivered and inspected. He will be required to become entirely familiar with these specifications and drawings, and will at once report to the architect any discrepancy, omissions or errors which may be found to exist in them, and will abide by the decisions and explanations made in such case by the architect.

He will further see that his sub-contractors commence their work promptly at the proper time, carry it on with due diligence, that they do not delay or injure other work or materials, and that all damages caused by them or their workmen are thoroughly and promptly made good by them, or by himself at his own cost.

X **WATER SUPPLY.**- The contractor must comply with all local ordinances and the building laws, pay all fees, and each several contractor must provide at his own cost the water used in the work of his contract during the erection of the building.

**ACCESS TO THE BUILDING.**- The architect and owners will be allowed free and unobstructed access to all parts of the building and ground occupied by the contractor, at any and all times, and proper means of access, such as scaffolds, stairs, ladders, etc., will be provided by the contractor at his own cost and expense.

Free access, whenever required, shall further be allowed to all contractors for special equipment or appliances, employed directly by the owners, but such special contractors must take care not to delay or obstruct the work of the general or other contractors.

X **(SPECIAL) LIABILITIES OF CONTRACTORS.**- (In addition to the liabilities elsewhere mentioned,) the contractor assumes all liabilities for the violation of any law or ordinance, or in consequence of the injury or death of any person in or about the building, and the result of the acts of his employees or sub-contractors, entirely relieving the owners from any or all liabilities that might arise in such case.

**SCREENS, TEMPORARY DOORS ETC.**- Screens must be placed in all windows to prevent checking of plaster by drying too rapidly, and any injury from the weather. Temporary doors and windows must be inserted to enclose and protect the building and to keep out unauthorized persons.



-2-

X OMISSION.- Any material or work necessary to properly and fully complete the building in accordance with the intent and purpose of these specifications, will be supplied and furnished by the contractor, even if the said materials and work are not specifically mentioned, or shown in either the drawings and specifications, just the same as if fully described or shown in both. A complete and finished building ready for use and occupancy, with the best materials and workmanship, are expected and intended and will be required.

LIABILITIES OF CONTRACTORS, SUB-CONTRACTORS.- Sub-contractors will be subject to these specifications as fully in all respects as the general contractor, so far as the same are applicable to their portion of the materials and work of the building. Each will commence his work promptly at the proper time, carry it on with due diligence, deliver it at completion in perfect order, make good all injury and damage to the work and materials, clean up and remove all dirt and rubbish made by him or his workmen, and he will be held strictly responsible for all acts of his employees.

Each sub-contractor will be supplied with one copy of that portion of these specifications relating to his portion of the work, with all necessary general and detail drawings. The attention of the architect will at once be called to any discrepancy or omission found in any of specifications or drawings, and his decision will be final. All such drawings and specifications must be returned to the architect on the completion of of the work of the sub-contractor, before the acceptance of the sub-contractors work and issue of the certificate for payment.

X DISCHARGE OF INCOMPETENT WORKMEN.- The architect shall have the right to require in writing the immediate discharge of any workmen whom he finds doing unsatisfactory work, and such workman shall not be re-employed on the building in any capacity without the written consent of the architect.

CLEANING BUILDING.- On completion of the building, and before its final acceptance by the owners, the ground around the building will be cleaned of all building materials, rubbish, etc., the building will be swept out clean throughout, and all rubbish, dirt and waste building materials will be removed and carted away.

BUILDING APPLIANCES AND TRANSPORTATION.-The contractor and each sub-contractor will deliver all necessary building materials at the site of the building free from all charges of boxing, freight and cartage, and the contractor will furnish all centers, and scaffolds, ladders and other plant required to fully complete his work.



CONTRACTOR TO LAY OUT BUILDING.- The general contractor will lay out the building on the ground with the front of the building on the street as shown on the plans and as directed by the owners. He will be held strictly responsible for any errors, in dimensions, form or levels. A grade stake will be set by the architect at the ~~right~~ height of the water table on the west side and will establish the datum from which all work will be done with reference to this datum.

X PROTECTION OF MATERIALS AND WORK.- All materials and work must be properly protected from injury from the weather and by other causes, by suitable sheds or coverings, after their delivery at the building, and until they are used in the building.

COMMENCEMENT OF BUILDING.- The work will be commenced as soon as possible after the signing of the contract, and will be carried on with the utmost diligence so that the building will be entirely completed and delivered to the owners on or before ----- ready for occupancy.

(X) DAMAGE BY ACCIDENTS.- The contractor shall put up and maintain such barriers and red lights as will effectually prevent any accidents in consequence of his work for which the owners might be held liable, and he does hereby assume all liabilities for all damages occasioned in any way by his neglect or that of his agents, employees or workmen.

X PAYMENT FOR MATERIALS AND WORK.- The contractor will punctually and regularly pay for all materials and labor for the building, keeping full and complete accounts thereof. These accounts to be subject to examination by the owners at any time, and are to be kept strictly separate from the accounts of other buildings in which the contractor may be interested.

X LIEN LAW.- The provisions of the lien law in the state of Illinois will be strictly obeyed, and all necessary and proper precautions will be taken to duly guard the interests of the owners effected thereby. The contractor will promptly furnish all papers required of him in accordance with the provisions of this lien law, and whenever necessary to protect their interests, the owners will retain payments otherwise due, until those can be made to the proper parties in interest, these payments then to be accounted as having been paid to the contractors and to be so credited by him.

CHANGES IN MATERIALS OR WORK.- The contractor will make no changes in either materials or work from the kinds required by these specifications and the accompanying drawings, excepting after such changes have been duly authorized and ordered by the architect and the owners. Should the contractor make any changes in the materials or work herein specified



without first receiving authority therefor in the manner herein provided, he will be required to remove such work and materials at his own expense and provide those required by the drawings and specifications.

X MEANING UNDERSTOOD.- The contractor hereby admits that he has read each and every clause in these specifications, and that he has carefully examined all drawings, and that he fully understands the meaning thereof, and that he will abide by all the requirements of these specifications and of the general and detail drawings.

Signed \_\_\_\_\_ Contractor.-----

#### EXCAVATION.

GRADE OR GRADE PLANE.- The grade mentioned in these specifications signifies the horizontal plane or surface of the ground at the exterior of the building as it will finally be graded after the building is enclosed. The finished grade will in general be about 30" above the present grade of the lot, more or less.

REMOVAL OF EARTH.- Remove the earth from the entire area of the building to 12' 0" below the datum line and where necessary to set the footings of the piers below this point the earth will be removed from the entire area of the footing.

BOTTOM OF EXCAVATION.- The entire area of the excavation area is to be brought to a true and level plane surface. If excavated too deeply at any point the depression beneath the floor line must be filled with tamped cinders as earth filling will not be allowed.

BOTTOM OF TRENCHES AND PITS.- Set grade pegs not over 16' 0" apart along the bottom of the trenches. Bring the bottom in each case to a true level plane surface, indicated by the grade pegs, finishing with hand tools, a level and a long straight edge.

REPLACING EARTH.- No earth will be replaced in trenches against the masonry walls or footings until the joists are on the walls. It must then be replaced in layers and tamped carefully so as not to spring the walls at any place. After the building is practically completed remove all rubbish and bring the grade to the point indicated on the plans.



FINISH.- The dimension stones excepting the door sills and entrance steps and area coping RUBBLE MASONRY finished smooth by rubbing. The steps, sills and copings will be sawed and will not be rubbed.

WHAT TO BE OF RUBBLE STONE.- All the exterior walls of the basement from the footings to the datum line will be of rubble masonry, the footings of all the interior brick walls and the footings of all piers of the basement will be of rubble masonry.

KIND OF STONE.- All stone used in the rubble masonry will be either of Joliet or Kankakee limestone, and shall be of first quality, large, well selected stones, and will be laid to lines on both sides, well fitted together and thoroughly pointed, frequent headers extending through the wall will be used, each stone shall have a good bed and will be well cushioned into place. All joints are to be filled with mortar. The facing of all exterior walls will be laid random range and will have faces coarse bush-hammered.

MORTAR FOR RUBBLE MASONRY.- The mortar for the rubble masonry above mentioned shall be made of fresh Utica or Louisville cement, mixed in the proportion of one (1) part of cement to two (2) parts of clean sharp coarse sand. The sand and the cement will be mixed in a box dry and then wet, tempered, and immediately used. Any mortar that has been allowed to set before being used will be rejected. It will be the width of two bricks

where 13" the width of three bricks, and where 17" the width of four bricks. STONE WORK.- All the stone work of the front entrance and all trimmings that are tinted light blue on the drawings will be of buff Bedford Indiana limestone. This will include all chimney tops, coping stones for areas and walls, all the steps of the front, the water table, window and door sills, window caps, belt courses, and pattersse caps, ornamental stone above the cornice, and the pier caps of the basement. allowed to set on the boards it will be rejected and fresh mortar substituted.

BEDDING.- The beds of all stones are to be even enough to rest solidly in an ordinary bed of mortar. It will be laid in a good bed of mortar with the end joints slushed full as possible.

WATER TABLE.- The water table will be 12"x 6" with a wash on the top 2". The face will be set projecting 2" beyond the face of the wall above. It will be thoroughly saturated with water in the pile, using a hose, this will

BE BASEMENT AREA COPING.- The basement areas will be capped with a course of stone 10" wide and 4" thick set on the wall.

BONDING FOR BRICKWORK.- The bond must consist of 3 courses of stretch. WINDOW SILLS OF THE FRONT.- All the window sills of the west front will be 8"x10" with an 8"x4" wash and lugs. All other window sills will be 5"x10" and will not be lugged, but will be set with a 1/2" fall to the outside.

JOINTS FOR COMMON BRICK.- The joints in brickwork shall be as nearly as ENTRANCE STEPS.- The stone steps of the front entrance and the basement entrance will be 6 1/2"x13" and will be set with a clear tread of 12" and inclined 1/4" to each step.



**FINISH.**- The dimension stones excepting the door sills and entrance steps and area copings will be sawed and finished smooth by rubbing. The steps, sills and copings will be sawed and will not be rubbed.

**OTHER STONES.**- Other stones not particularly specified will be put in the building so as to be uniform with the work that is specified and where shown on the drawings.

**MORTAR FOR STONEWORK.**- All the stone work of the front entrance will be laid in a mortar of fresh Quincy or Hannibal lime and white sand, the mortar will have no cement in it when used in connection with the setting of the stonework of the front entrance. The stone work in the front will be carefully pointed up when completed with pure Lafarge cement, and finished with a tucking tool.

#### **BRICK MASONRY.**

**WHAT TO BE OF BRICK.**- All the walls of the building not indicated stone, and all the walls and piers of the basement, the chimney and the front flue will be built of brick. The walls will be of the thickness indicated on the plans and where 9" they will be the width of two bricks where 13" the width of three bricks, and where 17" the width of four bricks and where 22" the width of five bricks.

**CEMENT MORTAR.**- All the brickwork of the building will be laid up with cement mortar made as follows: - one (1) part fresh Louisville cement one (1) part fresh slacked lime and four parts clean sharp building sand. The mortar must be mixed only as needed and if allowed to set on the boards it will be rejected and fresh mortar substituted.

**LAYING BRICK.**- All brick will be laid in a good bed of mortar with the end joints slushed full as possible.

**WETTING BRICK.**- During weather above freezing point the bricks must be thoroughly saturated with water in the pile, using a hose, this will be done a sufficient time before laying the brick in the walls.

**BONDING FOR BRICKWORK.**- The bond must consist of 6 courses of stretchers to 1 of headers, and shall be so arranged as to thoroughly bind the exterior and interior walls together.

**JOINTS FOR COMMON BRICK.**- The joints in brickwork shall be as nearly as practicable  $\frac{3}{8}$ " in thickness, and where exposed to view shall show white mortar joints carefully pointed up with the trowel.



QUALITY OF BRICK.- All the bricks used in the masonry throughout must be of good quality, hard burned, finely compacted and of good shape building brick.

CHIMNEYS AND FLUES.- The flue of the furnace will be 16"x 16" in size and will be carefully laid up of fire clay flue lining in one end of the ventilating shaft. The flue of the south chimney will be 8"x12" . Provide proper openings for ventilating and smoke pipes.

ANCHOR BOLTS.- The roof plates will be anchored down by 6' 0" bolts 3/4" in diameter, built into the brickwork, 4'0" to centers. These will be carefully set up and firmly secured in the masonry.

WINDOW AND DOOR FRAMES.- Bed and point all window and door frames after the masonry is done. All frames will be set plumb and square by the carpenters and will be left so by the masons.

PLATES.- All trusses and heavy beams will have cast iron plates under them where they rest on the brick walls and these plates will be carefully bedded in mortar and at the exact heights.

#### PRESS BRICK.

WHAT TO BE OF PRESS BRICK.- All of the exterior walls of the west front of the building will be faced with press brick above the water table, ~~also the inside of the vestibule entrance and the entrance to the basement .~~

All press brick are to be laid in putty mortar of lime and white sand and will have joints not over 1/8" in thickness, all joints are to be carefully tuckpointed.

The press brick work will be carefully washed down on completion of the building.

BONDING.- All press brick to be bonded to the backing walls with "Union" brick bonds every third course not over 16" apart.

CORNICES.- The cornice will be constructed according to the detail drawings to be furnished and are to be executed by clipping brick or using split courses if necessary.

ARCHES.- All press brick arches will be ground to the proper radius and will be carefully laid up in the very best manner.

QUALITY.- The press brick of the building will be of the Illinois Hydraulic Press brick Cos. make or other standard make that is approved by the architect. The brick will be either a Grey Granite or Grey Mottled color.



WOOD CENTERING AND WOOD LINTELS.- All centers and wood lintels wherever required for turning arches will be furnished and set in place by the contractor for the wood work but will be built in by the masons.

#### STEEL AND STRUCTURAL IRON.-

GIRDERS.- ~~Steel girders of the size shown on the plans will be placed on the wall to carry the north post of the balcony, and will rest on a cast plate well bedded in the masonry.~~

~~Place a 5/8" x 8" steel plate over the square opening at the gallery entrance stairway and let it extend 6" into the brickwork at each end. Put in 4"x4" angles wherever necessary to carry the masonry above square headed openings in the brickwork.~~

~~COLUMNS.- Furnish and set in place the cast iron columns as shown in the drawings, all columns will be carefully set and solidly anchored.~~

PLATES FOR TRUSSES.- Trusses Nos. ~~1,2,3,4~~, will have a cast plate at each end 2"x 18" x 24" ~~carefully~~ bedded in cement, at the exact height.

Trusses Nos. ~~1,2~~ and ~~17~~ will have a cast iron plate 21"x 8" x 16" at the wall or ~~barthends~~ east ends.

TRUSS RODS.- Make all the truss rods of the sizes shown in the detail drawings and with standard nuts, threads and washers.

On trusses Nos. 1,2,3, and 4 the 22 rods will have nuts 4 1/4" by 2 25/64" thick and washers 8 1/2" x 8 1/2". 1 1/2" rods will have nuts 3 3/4" by 1 53/64" thick and washers 6 1/4" x 6 1/4". 1" rods ~~2x1x2x~~ will have nuts 2 1/2" x 1 1/4" and washers 5 3/4" x 5 3/4".

Furnish all necessary truss bolts and wall anchors and straps for trusses and stirrups as shown.

#### SHEET METAL WORK.

QUALITY.- The galvanized iron shall be of the best quality No. 26 gauge. Tin will be of Taylor's "IX" "Old Style" brand with the name of the maker stamped on each sheet. The copper will be 16 oz. cold rolled sheet.

THE SCENERY LOFT.- The scenery loft will be covered with corrugated iron carefully nailed to the sheathing and tightly fitted.

TIN ROOFS.- The roofs of the entire building will be made of tin, this will include the roof of the scenery loft also. The roofs will all be laid with a standing seam and will be made perfectly weather proof.



LEADERS.- Leaders shown on the drawings will be made of corrugated galvanized iron, and will be of the sizes shown, they will be securely fastened to the wall, and will be connected with the drain pipe 6" above the finished grade, or if no drain is provided then turn out at the bottom with a boot to turn the water away from the walls.

VENTILATORS.- Furnish and put in place and securely fasten to the roof at the points indicated on the roof plan, four "Star" ventilators 24" diameter, to ventilate the attic.

PAINTING.- All the galvanized iron sheet metal work shall be painted one heavy coat of mineral paint and oil before being placed in the work. The tinwork will be painted one coat of best mineral paint on the under side before putting down on the roof.

CORNICE.- The cornice of the west front will be made of <sup>gal iron</sup> copper and press brick as shown.

#### IRON RAILINGS.

AREA RAILINGS.- About <sup>front</sup> ~~all~~ areas of the basement <sup>stairway</sup> ~~windows~~ will be placed railings of shapes shown on the drawings, they will be made of 1 1/2" diameter gas pipe, and will be securely fastened to the coping of the area walls and to the building.

INTERIOR RAILINGS.- Furnish and put in place all the railings shown on the drawings, about the boxes and the orchestra pit and the parquet, also the railings of the balcony.

The interior railings will be finished with a black enamel finish. The outside area railings will be painted.

BRASS GUARD RAIL.- In the foyer in front of the box office window will be placed a brass rail 2 1/2" in diameter and finished with balls at each end. The uprights will also be made of polished brass.

#### WOODWORK AND MILLWORK.

QUALITY OF WORK AND MATERIALS.- All lumber of each and every kind used in the entire building must be of the required as specified, and the framing timbers must be entirely free from dry rot, stains, shakes, loose knots or other defects of any kind injuring it for its destined use. The finish lumber must likewise be free from knots, sap and stains, thoroughly and perfectly kiln-dried before being brought to the building, after having been properly seasoned. After delivery at the building it must be satisfactorily protected from dampness, and all other causes of injury until the building has been accepted by the architect. No splicing of casings, mouldings, quarter rounds or other finish



will be allowed, except where absolutely necessary, and permitted by the architect.

Wood lintels, centers, jamb blocks, etc. will be furnished and built in, in connection with the work, as required or as directed by the architect.

The contractor will furnish and fix in place all woodwork required to completely construct and finish the building ready for use and occupancy. This material will be furnished and fixed in place at the proper time, so as to avoid delays, and this will be done in strict accordance with the direction of the architect. Any cutting of finish, making holes therein, or other work of cutting or boring in connection with the heating, ventilating, etc. of the building, will be done at the expense of the general contractor. The intent and purpose of these specifications is to obtain the best materials and workmanship in every respect, with the surface finished in a perfect manner ready for filling and varnishing, free from stains, defects or injuries.

**FRAMING TIMBERS.**- All timbers used in the building not otherwise specified, shall be yellow pine.

**GIRDERS.**- Under the floors, ~~except circular girders~~, will be placed girders of solid timbers of the sizes shown and marked on the plans, ~~all circular girders will be built up of thin pieces bent to the proper curve.~~

The joists of the main floor will be set at the levels indicated on the plans and the inclined floor will be built on these joists, making the floors of the desired slope.

The sizes of all timbers will be seen from the plans, and must in all cases be followed.

**TRUSSES.**-

The roof and the ceiling of the building will be supported on trusses spanning the building, all of which is clearly set forth in the details of the same. All the framework of the roof will be carefully and strongly braced to the trusses.

**BRIDGING.**- The floor and ceiling joists will be bridged with a course of cross bridging to each span from 6'0" to 12'0" and two courses where more than 12'0". The bridging will be 2"x 2" stuff properly cut and fit and firmly nailed at each end with two 10 penny nails.

**HEADERS AND TRIMMERS.**- Frame headers and trimmers about all flues, chimneys, stairways; also about basement windows, where the windows cut away the bearings for the joists. Headers and trimmers will be doubled where they carry more than two tail joists. Set no joists nearer than one inch to any flue.

**FRAMING.**- Frame above and below all openings in wood walls where the studs above carry extra weight, and double the studding at the sides of such openings. The studding of the partition under the balcony will be bridged same as specified for the floors and will all be firmly tied



together at the points where the heavy weights come.

ROUGH FLOORS.- The joists of all floors will be laid over with No.2 common dressed lumber well fitted and well nailed to the joists. The rough flooring will be laid perpendicular to the joists as nearly as possible, breaking joints in lines of joists.

FINISHED FLOORS.- The upper floors of all rooms including the stage will be laid of clear narrow, smooth grained quarter sawed yellow pine flooring 7/8" thick.

FLOOR OF FOYER.- The floor of the foyer will be of narrow hard maple flooring with all pieces end matched and carefully put down. It will be hand scraped and smoothed and will be completely finished for the painters to apply the floor finish.

QUALITY OF FLOORING.- All flooring will be mill worked, closely laid joints neatly fitted and secretly nailed at each joist with joints tightly driven up. The floors after being laid will be smoothed off with the plane where there are uneven or rough places.

ROOF SHEATHING.- The rafters will be sheathed with No.2 fence flooring securely nailed on, joining well at valleys and combs.

SHEATHING OF THE SCENERY LOFT.- The sides and ends of the scenery loft will be sheathed on the outside of the studding with No. 2 fence flooring, laid diagonally with the studding and firmly nailed at each stud.

FACING OF STEPS OF THE BALCONY AND ~~GALLERY~~. - The steps of the balcony and ~~the gallery~~ will be faced with the same quality of flooring as is specified for the finished floors.

WINDOWS AND FRAMES.- All two sash windows of the building shall be double hung with best Silver Lake sash cord and noiseless pulleys, with accurately balanced weights. The sash throughout shall be of clear white pine of 1 3/4" thickness, unless particularly specified otherwise, O.G. finish and check rail.

The frames throughout will be box frames with d 7/8" stiles, double rabbeted sills 1 3/4" and staff head 1 3/4", all to be in accordance with the detail drawings. The parts of the frames that may be seen will be of A select white pine lumber, that hidden will be of No.1 common.

DOORS AND FRAMES.- All the doors of the building will be of the sizes and thickness indicated on the plans and as shown in the details.

Frames will be 1 1/5" thick and rabbeted for the doors and will be of the same wood as the finish of the rooms. Outside doors will have 1 3/4" frames, and an oak carpet strip. No carpet strip on inside doors.



INTERIOR WOODWORK.- The interior woodwork of the Auditorium <sup>and Foyer</sup> including the balcony ~~and gallery~~, the managers office, the ladies parlor and toilet and the boxes will be of a select quality of red birch, the wood need not be selected as to color but it must otherwise be of the best quality. All woodwork will be put on in the very best manner, joints neatly fitted, doors neatly fitted and hung and all to be of first class workmanship.

A ll finish will be put on after the plastering is dry so no injury will be sustained from dampness.

The interior woodwork of the building not specified birch will be of the best quality of yellow pine.

In all cases where doors connect rooms of different finish they will be veneered birch on one side and yellow pine on the other so as to correspond with the finish of the rooms in which they are located.

STAIRWAY TO BALCONY.- build the stairway to the balcony from the main floor as shown, making treads of yellow pine 1 1/4" thick, risers 7/8" on strong horses. The newels and ballustrade and string board and all other trimmings of the stairway will be of birch.

STAIRWAY FROM VESTIBULE.- The stairway from the vestibule to the balcony floor will be made in the same way as the balcony stairs, with the wainscoting of birch and all trimmings to be of the same.

The stairway from the balcony floor to the Gallery will be made in the same way as specified for the other stairways above.

The stairway from the stage to the basement will be as shown with ~~nix~~ pine treads 1 1/4" thick, risers 7/8" thick on strong horses.

WAINSCOTTING.- All wainscoting and wainscot railings will be made of birch, and will be carefully put up. The wainscot will be beaded.

The space below the stage will be wainscotted and also the facing of the boxes.

The wainscot of the foyer will have a paneled section ~~at the top~~ as shown and will be supplied with all proper base and other moulds.

All rooms will have bases and quarter rounds, carefully fitted.

BALCONY AND ~~GALLERY FRONTS~~.- The fronts of ~~the gallery~~ and the balcony will be as shown in the details and the general drawings and will be carefully and neatly put on with closely fitted joints.

BOX OFFICE.- Fit up the box office with shelves and slide windows as shown.

CEILING VENTILATION.- In the center of the auditorium ceiling will be placed ventilator as shown. The opening will be covered with wire netting 1/8" meshes. It will be boxed above and will have a hinged lid.



MISCELLANEOUS WORK.

CUTTING OPENINGS FOR HEATING CONTRACTOR.- The general contractor will cut all openings in the floors, for the heating apparatus, registers and register boxes, making all safe and secure when done. They will be laid out by the heating contractor.

CINDER FOUNDATION FOR THE BASEMENT FLOORS.- ALL rooms of the basement except the boiler room, will have a layer of cinder concrete 5" deep, thoroughly tamped down and leveled, upon the concrete floor will be laid strips dovetailed, 1 3/4" x 1 3/4" laid 15" to centers and then filled in between with concrete to the top of the strips.

The cinders will be clean dry screened coal cinders and will be mixed dry with Louisville cement and a small quantity of sand and then wet and shoveled into place.

WROUGHT IRON GATES AND GRILLS.- Furnish and set in place the double iron gates of the vestibule and the single iron gate between the two vestibules and also the iron grill for the Gallery ticket window as shown on the drawings. All of these will be of wrought iron and will be finished in Barff finish.

COMPOSITION.

COMPOSITION CAPITALS AND CANOPY OF THE BOXES.- The contractor will furnish and set in place the composition capitals on all the iron columns of the balcony supports, and will also furnish and set the composition canopy over the boxes as shown. All this work will be executed in the very best manner.

FOOTLIGHT TROUGH.- The footlight trough will be built in as shown and will be lined with bright tin.

FIRE ESCAPES.- Furnish and set in place the two fire escapes one at the north side and one at the south side. The platforms and steps will be securely rivvited to the stringers and will have a hand rail at the sides, all will be of iron and will be securely fastened in place to the brick walls, and will be supported on strong iron brackets.

SCUTTLE HOLE.- At a point designated by the architect will be placed a scuttle hole in the roof 3' 0" x 3' 0" and will be properly covered with tin and made secure against the weather.

VAULT LIGHTS.- Furnish and set the vault lights in the entrance vestibules. They will be of the Luxfer prism vault light pattern and will be set in a cast iron frame and carefully cemented and made water proof.



## PLASTERING.-

FURRING.-All the exterior walls of the building except the walls of the stage, will be furred, also all the interior brick walls of the building will be furred with 1"x2" furring strips 16" to centers and securely fastened to the walls, being nailed to plugs driven into the joints or to laths in the masonry. The ceilings and the proscenium will be cross furred with 1"x 2" strips set 12" to centers.

XXXXXXXX

LATHING.- All the walls and ceilings of the building will be lathed in the best manner with the best pine lath. Except such rooms in the basement as are not to be plastered.

PLASTER THREE COATS.- The walls and ceilings of the building will be covered with three coats of Imperial or other patent hard plaster, the second being put on before the first one is dry, and all to be put on in the very best manner, free from tool or joining marks, chips or other crack and imperfections. The walls will be floated out straight and true, corners square and plumb. the surface coat will be floated down smooth and carefully prepared for a fresco decoration. The grounds used in the plastering will be 3/4" thick.

WIRE CORNERS.-All vertical corners of all rooms will be covered 9" each way with galvanized iron wire netting with 1/4" meshes well nailed on, to secure the plastering from settlement cracks.

SHIELDS AND BUMPERS.- Put on shields and bumpers of hard wood and rubber bumpers wherever necessary to protect the plastering.

COVES OF CEILING AND BALCONY ~~AND GALLERY~~.-- Carefully plaster all the coves and curves of the ceilings and balcony and gallery and the soffits of the projections carefully and make all the work even and true in every way.

~~ROOMS OF~~ THE BASEMENT AND OTHER PARTS OF THE BUILDING THAT WILL NOT BE PLASTERED.- There will be no plastering on the stage back of the curtain line except the wood wall that is immediately in front of the curtainline, this will be plastered.

*any of the rooms*  
The boiler room and the large room directly below the stage will not be plastered. All other rooms of the building will be plastered as above specified.

## PAINTING.-

QUALITY OF MATERIALS.- The best qualities of the various materials specified must be used and the genuineness of the articles must be attested to by the sub-contractor when requested by the architect.

Only the best pure white lead, oil and turpentine can be used. The paints shall be brought to the desired colors by adding the National



White Lead Company's white lead tinting colors. No ready mixed paints will be accepted for any portion of the work.

**PRIMING WOODWORK.**-- The priming coat be composed of 4 lbs. of pure white lead to one gallon of raw linseed oil thoroughly mixed and well brushed on the wood.

**THREE COAT WORK.**-- All wood exposed on the exterior of the building except the woodwork of the front entrances, and including all the galvanized iron sheet metal work, shall besides priming, receive two good coats of paint of colors prescribed by the architect. The first coat on the sheet metal work will be of the best quality of mineral paint.

The tin roof will be painted two coats of best mineral paint.

**INTERIOR WOODWORK.**-- The interior birch finish and doors of the building will be given one coat Rosenberg's Mahogany stain, and one coat Alcohol Orange Shellac Varnish, and two coats of Murphy's Transparent Interior wood finish.

All interior hard pine doors, sashes, casings bases, frames etc. shall be given one coat of white shellac and be finished with two coats of Murphy's Transparent Interior wood finish.

**INTERIOR PAINTING.**-- All the exposed woodwork on the stage will be painted a heavy coat of Asbestione fireproof paint of colors prescribed by the architect.

**FRAMES AND SASH.**-- The frames and sash of the rooms where hard oil finish is used, will not be primed with paint, but will be filled and then varnished on the inside same as the finish and will be painted on the outside.

**WOOD TO BE CLEANED.**-- No hard oil work will be done on wood that is stained or dirty, or that has finger prints on it, but all work when done will show a clean smooth ~~exterior~~ surface.

**QUALITY OF WORK.**-- All the work of the painting and varnishing will be done in the best manner, no brush or joining marks to be seen. No coat will be put on till the previous one is hard and dry.

**REMOVAL OF HARDWARE.**-- The hardware will be removed from the wood work as far as possible to do so, and that remaining will be carefully protected from brush marks and daubs while the painting is being done.



### HARDWARE.

The main entrance doors of the front including the basement entrance doors will be fitted with the following hardware of P. & F. Corbins' make Locks No. 137 B 2 cyl., brass. 4"x 16" polished brass bush plates both sides cut for cyls. Door holders No. 2860, brass. Matchless floor hinges No. 103, brass.

All other doors except the stage entrance doors will have Locks No. 1362, brass. Knobs No. 1519 1/2, brass. Esc. No. 02562 1/4, brass. Butts No. 241 1/2 C, brass.

Outside stage entrance doors will have Locks No. 1364, Knobs No. 1519 1/2, Esc. No. 02562 1/4, Butts No. 733, Bolts No. 2852, All NO. 23 finish.

Windows will have No. 9296 lifts No. 23 finish or polished brass to match the hardware of the rooms in which they are located.

All other hardware not particularly mentioned will be suitable for the place in which it is required.

### CONCLUSION.

Any work or materials not particularly mentioned, necessary to complete the entire building, or that is not specified to be let in a separate contract, will be furnished and put in place by the general contractor without extra cost.

For forms of proposals See following page.



Proposals for the above specified building will be received by the committee at Fairbury, Illinois up to 12 o'clock noon August 10th 1903.

Contractors are requested to follow the forms below given and to submit a proposal for the work so described.

Proposal No.1.

I propose to furnish all labor and materials required to erect and complete the proposed Central Opera House according to plans and specifications as prepared by Robert A. Bullard, Architect, Bloomington, Illinois, for the sum of \$-----

Signed ----- Contractor.

Proposal No.2. I

I will reduce my bid \$----- if the finishing of the basement is omitted with the exception of putting in the entrance doors and the sash in the windows. (Permit <sup>This refers to.</sup> 1, 2, 3, & 4) 2 Locks

I will further reduce my bid \$----- if the three rooms under the balcony are left unfinished except putting in the windows.

Proposal No.3. I

I will further reduce my bid \$----- if the stone arches and columns and entablature of the front entrance is omitted except the name stone and the stone water table and steps, and the press brick entrance put in as per detail of same.

Proposal No.4.

I will reduce my bid further the sum of \$----- if the gallery is omitted and the walls lowered 8'0" as shown in the alternate front elevation, ~~making~~ setting the trusses 26' 6" above the datum line, and changing the cornice to galvanized iron in place of the copper as specified.

All of the above proposals include the glazing of all windows and furnishing all of the leaded glass required in the front entrance. Best quality of American D.S. AA glass to be used throughout and to be well puttied and bradded in the sash.



**FRANK MORRISON** ❁ ❁

206 E. FRONT ST.  
Stevenson Block.

## ...Sanitary Plumbing and Sewerage

Hot Water, Steam, and Gas Fitting and Fixtures.

TELEPHONE NO. 180.

BLOOMINGTON, ILL.

T. J. BUNN, President.

L. M. GRAHAM, Secretary.

O. W. DUNLAP, Treasurer.

## **BLOOMINGTON PRESSED BRICK CO.**

INCORPORATED 1893.

MANUFACTURERS OF

RED AND BUFF  
PRESSED

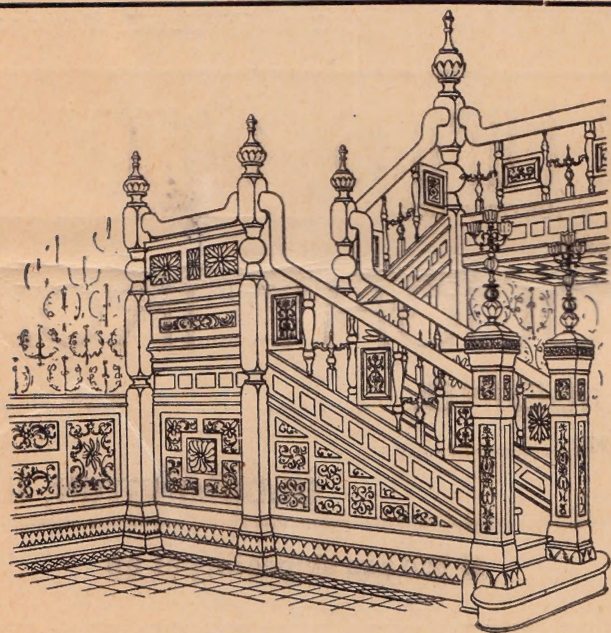
**BRICK**

FIRE BRICK  
FIRE CLAY

COMMON RED BRICK

VITRIFIED PAVING BRICK

OFFICE AND FACTORY ONE BLOCK NORTH OF UNION DEPOT. NEW PHONE 421  
BLOOMINGTON, ILL.



**Asa Melcher,**

❁Manufacturer of Stairs❁

CABINET WORK and  
FIXTURES,  
TURNING, SAWING  
and GENERAL MILL WORK.

411 N. East St.

Bloomington, Ill.

P. KELLY.

P. HOFFMAN

**Kelly & Hoffman,**  
Tin, Sheet Iron and Gornice Work

TIN ROOFING, SPOUTING,  
STEEL CEILING,  
STORE FRONTS

**GENERAL JOB WORK**

ESTIMATES CHEERFULLY FURNISHED.

117 South Main St. Old' Phone 410 Bloomington, Ill

J. W. HARROP,  
1701 North Main St.

F. A. COOPER,  
819 E. Jefferson Street

**Harrop & Cooper,**  
**General**  
**Contractors**  
**and Builders**

JOBGING PROMPTLY ATTENDED TO.

Estimates Cheerfully Furnished. 222 E. Front Street.

BLOOMINGTON, ILLINOIS.

**G. W. BOWMAN** ➤

OLD PHONE 373.

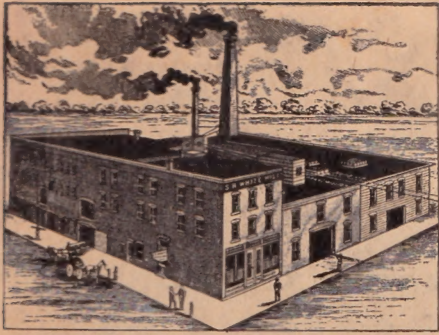
## ...Contractor and Builder

Brick and Stone Work of all kinds.

Estimates Furnished on all Class of Work.

1108 E. Clay Street.





S. R. WHITE, Prop.      ORA E. WHITE, Mgr.

## The S. R. White Manufacturing Co.

Manufacturers of and dealers in

### Coal, Lumber,

PORCH WORK and  
INTERIOR FINISH.

Estimates on the entire mill work of the accompanying plan cheerfully furnished

Office and Factory, 301-317 East Douglas St.

Yard, Corner I. C. R. R. and Empire Street.

Phones, New and Old, 140.

BLOOMINGTON, ILL.

When

tion on which to build, don't fail  
to visit

## White's Place

Before purchasing. You will find  
it the most desirable location in  
the city to live.

For information send for Booklet  
on White's place, free of charge.

SAMUEL R. WHITE.

## E. R. DARLINGTON & CO.

Sash, Doors, Blinds,  
Posts, Pickets  
and Mouldings

## LUMBER, COAL

Lime, Plaster, Hair,  
Building Paper  
and Tile

DOMESTIC CEMENT FOR SIDEWALKS.

Everything in the Building Line

309 South Lee Street, Bloomington, Ill.

Telephones, Old and New, 375.

H. C. SCHWULST, Manager.

## American Foundry and Furnace Company

Successors to SOPER FOUNDRY CO.

MANUFACTURERS OF

## CAST AND WROUGHT IRON

USED IN BUILDING.

'PHONE 57.

ESTIMATES PROMPTLY FURNISHED.

BLOOMINGTON, ILL

### F. G. MUHL, Slate and Tin Roofer,



Cornice  
Skylights  
Store Fronts  
Steel  
Ceilings  
Guttering  
Spouting  
ETC.

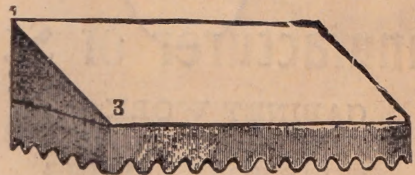
In Rear of 212 S. Center St.

TELEPHONE 355.

BLOOMINGTON, ILL.

If the sun shines in, put up

## AWNINGS.



Large Variety of Stripes and Colors.

Canvas Goods of all Kinds.

D. K. PLUMLEY & SON,

614 N. Main St.

Bloomington, Ill.

## T. F. HARWOOD & SONS.

DEALERS IN

## Lumber, Sash, Doors and Lime COAL AND SEWER PIPE.

Imported and Domestic Cements for Sidewalks a Specialty.

901 East Grove Street.

Telephone No 37.

BLOOMINGTON, ILL.